

12472380 CRAB CREEK LATERAL ABOVE ROYAL LAKE, NEAR OTHELLO, WA

WATER-QUALITY RECORDS

LOCATION.--Lat 46°52'37", long 119°20'51", in SE¹/₄NE¹/₄, sec.18, T.16 N., R.28 E., Grant County, Hydrologic Unit 17020015, on right bank, 100 ft upstream from drop structure to Royal Lake, and 8 mi northwest of Othello.

DRAINAGE AREA.--32 mi².

PERIOD OF RECORD.--April 1993-96, February 1997, July and August 2003 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: January to September 1996.

INSTRUMENTATION.--Temperature recorder, electronic data logger with 60-minute recording interval (1996).

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 20.0°C, Aug. 30, 1996, but 20.5°C was measured on July 30, 1996, during a period of missing record; minimum, 0.0°C, Jan. 30, 31, Feb. 1-3, 28, 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity white light, det ang 90+/-30 degrees	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat flt incr. titr., field, mg/L (00453)	Carbo- nate, wat flt incr. titr., field, mg/L (00452)
JUL 02...	0940	--	--	740	10.4	111	8.2	338	18.8	17.2	--	--
AUG 28...	1040	64	2.6	743	9.9	109	8.3	339	29.2	18.6	131	156
29...	1000	--	--	--	--	--	--	--	--	--	--	--
29...	1020	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia nitrate water, fltrd, mg/L as N (00608)	Nitrite nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Partic- ulate nitro- gen, susp, water, mg/L as P (49570)	Ortho- phosphate, water, fltrd, mg/L (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Biomass peri- phyton, ashfree dry mass g/m ² (49954)	
JUL 02...	.71	.10	2.50	.016	--	.03	.097	3.2	--	--	--	--	--	--
AUG 28...	.25	<.04	2.46	E.006	.03	<.02	.028	2.7	.3	<.1	.3	2.2	--	
29...	--	--	--	--	--	--	--	--	--	--	--	--	--	21.1
29...	--	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Biomass peri- phyton, ashfree dry wt, DTH, g/m ² (63766)	Biomass peri- phyton, ash weight, DTH, g/m ² (63765)	Biomass Peri- phyton, biomass dry weight, DTH, g/m ² (00572)	Biomass peri- phyton, dry weight, DTH, g/m ² (63767)	Peri- phyton, biomass dry weight, DTH, g/m ² (00573)	Chloro- phyll a peri- phyton, DTH, CF meth mg/m ² (63763)	Pheo- phytha peri- phyton, DTH, CF meth mg/m ² (63764)	Pheo- phytin a, peri- phyton, DTH, CF meth mg/m ² (62359)	Pheo- phytin a, peri- phyton, chromo- fluoro, ug/L (62360)	Chloro- phyll a peri- phyton, chromo- fluoro, ug/L (70957)	Chloro- phyll a peri- phyton, chromo- fluoro, ug/L (70953)	Sus- pended sediment concen- tration mg/L (80154)	Sus- pended sediment dis- charge, tons/d (80155)	
JUL 02...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 28...	--	--	--	--	--	--	--	--	.8	--	1.5	10	1.7	
29...	--	--	610	--	627.0	--	--	43	--	80.2	--	--	--	--
29...	26.4	872	--	899	--	21.2	12.0	--	--	--	--	--	--	--